

# EUROPEAN PATENT OFFICE

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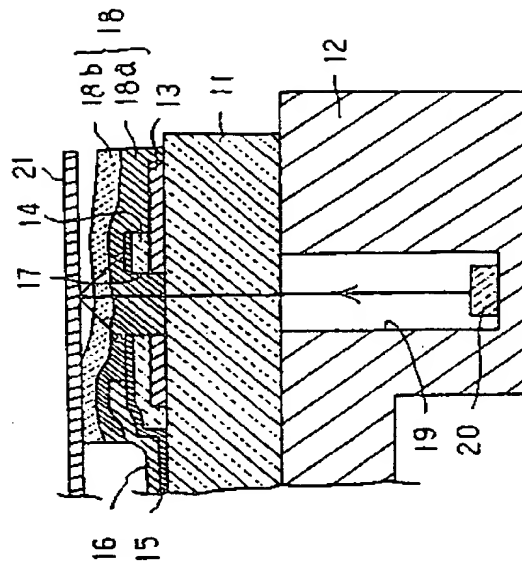
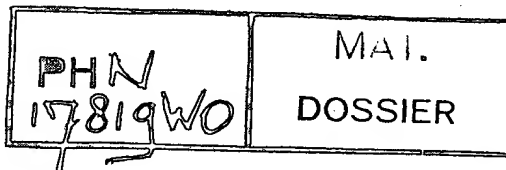
APPLICATION DATE : 30-06-87  
APPLICATION NUMBER : 62164727

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TITLE : MANUFACTURE OF READER



**ABSTRACT :** **PURPOSE:** To enhance the bondability of a protective layer formed on a photoelectric converter with high hardness, and to stably read out for a long term by forming the protective layer by sequentially laminating at least a silicon oxide layer and a silicon nitride layer, and forming the silicon oxide layer by a plasma CVD method and the silicon nitride layer by a sputtering method.

**CONSTITUTION:** A common electrode 13 formed by depositing Cr on a substrate 11, and a photoelectric converter 14 made of amorphous silicon is formed there on. Further, transparent electrodes 15 made of ITO are formed thereon corresponding to individual converters 14. Moreover, Cr is so deposited as to cover part of the electrodes 15, and then photoetched. Thus, leading electrodes 16 made of Cr are individually connected to elements, and then light passage holes 17 common for the electrode 13, The converter 14 and the electrodes 15 are individually formed by photoetching. An uppermost protective layer 18 is formed by sequentially laminating a silicon oxide layer 18a formed by a plasma CVD method and a silicon nitride layer 18b formed by a sputtering method.

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